

**ANTENNA SYSTEM AND PORTABLE RADIO UNIT MOUNTING THE SAME**

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- International: H01Q1/38; H01Q1/24; H01Q9/36; H01Q9/40; H01Q1/38;  
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- European:

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**Abstract of JP2002050914**

**PROBLEM TO BE SOLVED:** To realize a high antenna gain in the state in which a portable radio unit is placed on a metallic table or held by the hand.

**SOLUTION:** A helical part 2 and a mono-pole part 3 are disposed so that an angle formed by the axial directions of these parts is about 90 degrees. The mono-pole part 3 is disposed so that the axial direction is parallel with a surface 10B which has the largest area among the surfaces of a housing 10A of the portable radio unit 10. This structure enables the high antenna gain even when using the unit in the stage that it is placed on a metallic table or held by the hand.

